S
553.28
O1S
MAY 1971

STATE DOCUMENTS

MONTANA OIL AND GAS STATISTICAL BULLETIN

JUL 21 1971
JUL 21 1971

SHELVED WITH PERIODICALS

ADMINISTRATORS

NORMAN J. BEAUDRY, Exec. Secy.
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, Attorney
422 NORTH PARK AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, Petroleum Engineer
15 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, Geologist
15 POLY DRIVE
BILLINGS, MONTANA 59101

COMMISSIONERS

L. V. HARRIS, Chairman
HORSKY BLOCK BLDG.
HELENA, MONTANA 59601

C. J. IVERSON, Vice Chairman
WHITLASH, MONTANA 59545

WINSTON L. COX
525 SECURITIES BLDG.
BILLINGS, MONTANA 59101

RAYMOND A. GRANT, SR.
1502 PLEASANT STREET
MILES CITY, MONTANA 59301

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.

HELENA, MONTANA

Vol. XIX, No. 5 — MAY, 1971

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1971 averaged 93,946 barrels daily, a decrease of 2,052 barrels from the average April, 1971 production of 95,998.

The nine refineries in the state processed 87,303 barrels of crude oil daily for the month of May, 1971, a decrease of 26,042 barrels from the 113,345 barrels processed daily during the month of April, 1971.

During May 24 wells were completed, 2 oil, 4 gas and 18 dry holes.

During May the commission issued 41 permits to drill new wells, an increase of 15 from the 26 permits issued during April.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF MAY, 1971

IN STORAGE MAY 1st	
By Producers	320,948
By Transporters	1,350,358
By Refiners	837,419
TOTAL STORAGE	2,508,725
Produced in Montana During Month	2,912,335
Imported During Month	1,932,456
TOTALS	7,353,516
DISPOSITION:	
Refined in Montana	2,706,415
Exported	1,546,485
Used for Fuel or Lost	7,933
TOTAL	4,260,833
IN STORAGE MAY 31st	
By Producers	334,779
By Transporters	1,479,253
By Refiners	1,278,651
TOTAL STORAGE	3,092,683

NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1971

Field	M. Cu. Ft.
Bell Creek	213,399
Big Coulee	65,191
Blackjack	55,012
Bowdoin	80,943
Bowes	22,797
Cabin Creek	99,710
Cedar Creek	104,737
Cut Bank (including Reagan)	1,019,262
Dry Creek	30,656
Elk Basin	69,564
Flat Coulee	17,880
Gold Butte	3,707
Grandview	37,981
Hardin	3,066
Keith Block	140,845
Kevin Sunburst	31,493
Lake Basin	78,306
Middle Butte	2,680
Mt. Lilly	11,368
Pine	55,484
Plevna	1,161
Tiger Ridge—Squaw Coulee	104,483
Trail Creek	31,077
Utopia	30,866
Whitlash	94,306
Miscellaneous	175,299
TOTAL	2,581,273

Total Withdrawals for May, 1970 were 2,158,175

Montana State Library
3 0864 1006 0117 1

MONTANA STATE LIBRARY
1515 E. 6th AVE.
HELENA, MONTANA 59620

PRODUCERS REPORT — MONTH OF MAY, 1971

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	46	1,867	———	1,822	———	91
1	Bainville	1	2,798	4,231	———	3,979	———	3,050
1	Bannatyne	1	573	382	382	———	———	573
—	Bascom	———	165	———	———	———	———	165
4	Bear's Den	5	2,147	912	———	1,030	———	2,029
44	Bell Creek	343	36,310	484,377	482,665	———	301	37,721
—	Benrud	———	169	———	———	———	100	69
2	Benrud East	2	1,420	13,022	12,529	———	———	1,913
1	Benrud Northeast	1	891	2,530	2,611	———	———	810
1	Berthelote	1	237	124	———	———	———	361
5	Big Wall	20	2,259	8,259	8,525	———	———	1,993
4	Blackfoot	5	1,180	2,031	2,122	———	———	1,089
5	Border	8	870	1,806	———	583	———	2,093
1	Bowes	47	8,408	10,399	11,779	———	———	7,028
1	Bradley	1	123	620	409	———	———	334
2	Brady	2	296	381	381	———	76	220
4	Brorson-Madison	4	853	4,760	———	4,143	———	1,470
6	Brorson-Red River	6	5,603	14,715	———	15,859	———	4,459
3	Brorson-Red River South	3	2,355	8,251	———	9,580	———	1,026
6	Brush Lake	6	1,503	36,484	37,372	———	———	615
2	Cabin Creek	141	———	285,500	285,500	———	———	———
1	Canal	1	563	11,386	———	11,032	———	917
12	Cat Creek	59	2,414	15,813	15,730	205	———	2,292
1	Clark's Fork	1	113	133	———	188	———	58
1	Clark's Fork South	1	392	363	———	169	———	586
3	Conrad South	3	100	1,194	1,194	———	———	100
2	Cow Creek	2	496	2,405	———	2,456	———	445
1	Culbertson	1	706	1,651	———	1,549	———	808
2	Cupton	2	1,702	2,697	———	2,049	———	2,350
139	Cut Bank	850	53,292	469,716	464,607	1,217	18	57,166
—	Dean Dome	———	65	———	———	———	———	65
1	Deer Creek	1	505	1,368	1,333	———	———	540
1	Delphia	1	331	400	———	411	———	320
—	Devil's Basin	———	671	———	———	———	———	671
2	Dwyer	14	3,637	23,863	23,523	———	———	3,977
3	Elk Basin	54	892	161,563	161,526	———	———	929
5	Elk Basin Northwest	9	8,587	7,771	8,537	———	———	7,821
7	Fairview	11	8,300	41,431	11,500	28,463	———	9,768
2	Fertile Prairie	2	747	945	———	1,036	———	656
10	Flat Coulee	27	5,175	8,040	8,310	———	———	4,905
44	Flat Lake	62	6,464	56,165	57,041	———	———	5,588
6	Flat Lake South	6	1,011	9,939	9,963	———	———	987
1	Ft. Gilbert	1	365	15,634	———	15,361	———	638
1	Frannie	1	———	3,193	3,193	———	———	———
14	Fred and George Creek	38	1,731	29,449	28,717	———	———	2,463
1	Gage	1	31	495	———	345	25	156
3	Gas City	17	6,377	22,936	17,582	4,803	———	6,928
2	Girard	2	936	4,704	———	4,238	———	1,402
11	Glendive	15	3,564	26,954	26,659	———	———	3,859
29	Goose Lake	34	6,690	38,974	39,284	———	———	6,380
8	Graben Coulee	17	4,341	4,110	1,990	1,519	———	4,942
1	Gypsy Basin	1	944	162	———	162	———	944
1	Hay Creek—Mission Canyon	1	107	1,336	1,322	———	———	121
2	Hay Creek—Red River	2	517	8,470	8,218	———	———	769
5	Hiawatha	5	2,907	7,781	7,242	———	———	3,446
1	Hibbard	1	605	482	———	211	———	876
1	Injun Creek	1	1,076	421	———	416	———	1,081
6	Ivanhoe	12	1,788	6,367	6,421	———	———	1,734
1	Jim Coulee	1	186	765	———	412	———	539
4	Keg Coulee	18	3,149	12,865	12,126	———	———	3,888
2	Keg Coulee North	2	439	612	462	———	———	589
1	Kelley	5	499	4,439	4,526	———	———	412
80	Kevin Sunburst	330	8,156	25,849	23,080	2,170	———	8,755
8	Laird Creek	10	862	3,789	———	4,029	———	622
2	Leary	2	1,569	2,334	———	2,468	———	1,435
1	Little Beaver	23	———	31,500	31,500	———	———	———
2	Little Beaver East*	12	2,352	14,500	14,500	———	———	2,352
1	Little Wall Creek	1	515	4,985	4,868	———	———	632
2	Lodge Grass	2	811	1,088	———	978	———	921
3	Lookout Butte (Coral Creek)	30	838	66,500	66,500	———	———	838
2	Mason Lake	2	340	560	672	———	———	228
1	Melstone	2	597	1,622	1,832	———	———	387
1	Mineral Bench	1	232	859	426	———	———	665
1	Miner's Coulee	1	107	250	———	250	———	107
11	Monarch	14	4,429	17,213	13,000	4,478	———	4,164
2	Otis Creek	2	426	6,098	———	5,110	———	1,414
6	Outlook	8	6,625	21,410	21,821	———	———	6,214
1	Outlook South	1	622	1,266	800	———	———	1,088
2	Outlook West	2	1,545	2,833	2,268	———	———	2,110
1	Pennel-Lookout Butte	112	———	132,500	132,500	———	———	———
4	Pine	113	17,529	256,400	256,400	———	———	17,529
67	Pondera	276	6,542	22,688	22,260	———	———	6,970
8	Poplar	64	8,153	55,004	52,855	———	74	10,228
3	Poplar Northwest	3	2,072	1,577	2,619	———	———	1,030
1	Prairie Elk	1	366	807	———	———	———	1,173
3	Pritchard Creek	3	167	1,019	1,019	———	———	167
4	Ragged Point	12	1,935	6,256	6,400	———	———	1,791
2	Rattlesnake Coulee	2	436	550	180	———	———	806
2	Reagan	45	447	18,605	18,526	———	———	526
1	Red Creek	21	———	17,715	17,715	———	———	———
1	Red Fox	1	293	742	659	———	———	376
1	Redstone	1	299	2,660	2,452	———	———	507
1	Repeat	1	570	1,259	———	1,429	———	400
5	Reserve	5	———	10,791	9,183	———	———	1,608
1	Richey	1	329	798	868	———	———	259
1	Richey Southwest	6	387	3,191	3,578	———	———	———
—	Rough Creek	———	266	———	———	———	———	266
1	Rush Mountain	1	623	2,973	3,052	———	———	544
2	Salt Lake	2	259	4,427	———	3,880	———	806
5	Sand Creek	8	4,624	5,907	6,217	———	———	4,314
—	Shotgun Creek	———	248	———	———	———	———	248
—	Sidney	———	150	312	———	312	100	50
1	Snyder	4	229	877	———	707	———	399
7	Soap Creek	20	2,902	6,561	———	7,066	———	2,397
1	Spring Lake	2	1,616	2,853	———	3,062	———	1,407
1	Stensvad	5	3,756	46,947	48,406	———	———	2,297
11	Sumatra	70	5,506	67,067	65,636	———	———	6,937
5	Tule Creek	6	3,764	27,894	28,342	———	———	3,316
2	Tule Creek East	2	627	9,087	8,902	———	———	812
2	Tule Creek South	3	753	4,444	———	4,102	7	1,088
2	Vida	2	863	1,474	———	1,809	———	528
3	Volt	4	1,613	12,329	11,687	———	———	2,255
2	Weed Creek	3	355	2,595	2,512	———	3	435
3	Weldon	7	768	16,952	16,954	———	———	766
1	West Butte	1	———	3,131	———	3,131	———	———
17	Whitlash	43	7,383	10,723	10,908	———	———	7,198
—	Whitlash West	———	447	———	———	———	———	447
4	Willow Creek North	4	975	5,294	5,322	———	———	947
2	Wills Creek South	2	———	3,500	3,500	———	———	———
6	Wolf Springs	9	3,481	5,139	4,602	———	———	4,018
2	Woodrow	2	241	2,311	2,286	———	———	266
5	Wright Creek	5	3,192	3,203	4,258	———	———	2,137
1	Wildcat, Blaine Cty	1	157	100	———	100	———	157
—	Wildcat, Carbon Cty	———	310	———	———	———	———	310
—	Wildcat, Daniels Cty	———	174	———	———	———	———	174
1	Wildcat, Fallon Cty	4	819	9,748	———	9,090	———	1,477
2	Wildcat, Glacier Cty	5	1,917	975	1,242	———	———	1,650
1	Wildcat, Liberty Cty	1	337	67	———	———	———	404
4	Wildcat, Richland Cty	4	906	24,619	———	23,900	———	1,625
1	Wildcat, Roosevelt Cty	1	1,515	7,555	———	8,493	———	577
1	Wildcat, Toole Cty	1	———	410	———	410	———	———
762	Total	3,214	320,948	2,912,335	2,697,588	200,212	704	334,779

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1970	37,878,697	103,777	37,852,275	103,705
First Quarter, 1971	8,927,663	99,196	8,923,130	99,146
April, 1971	2,879,927	95,998	2,892,643	96,421
May, 1971	2,912,335	93,946	2,897,800	93,477

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total Oil In Storage‡
December, 1970	336,076	1,501,692	1,002,035	2,839,803
March, 1971	334,585	1,128,200	766,138	2,228,923
April, 1971	320,948	1,350,358	837,419	2,508,725
May, 1971	334,779	1,479,253	1,278,651	3,092,683

*Montana Oil Only. ‡Includes Wyoming Oil.

TRANSPORTERS REPORT — MONTH OF MAY, 1971

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—									
Western Crude Oil, Inc.			1,822				1,822		
BAINVILLE—									
Rock Island Oil & Ref. Co.			3,979				3,979		
BEAR'S DEN—Truck			1,030				1,030		
BELL CREEK—Pipeline		482,665					198,550	219,140	64,975
BIG WALL—									
Continental Pipeline Co.		8,475				8,475			
BLACKFOOT—									
Camerland Cardinal Corp.		2,120						2,120	
BORDER—Permian Corp.			583					583	
BOWES—Texaco Inc.		11,779				11,779			
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			29,582					29,582	
BRUSH LAKE—Portal Pipeline Co.		35,531					35,531		
CABIN CREEK & OTHERS—*									
Butte Pipeline Co.	334,964	742,181	17,513	694,398			1,414,374		374,682
Shell Pipeline Co.	5,104	276,424			182			277,626	3,720
	340,068	1,018,605	17,513	694,398	182		1,414,374	277,626	378,402
CANAL—Rock Island Oil & Ref. Co.			11,032				11,032		
CAT CREEK—									
Continental Pipeline Co.		15,732				15,732			
Truck			205			205			
		15,732	205			15,937			
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			357				357		
COW CREEK—West. Crude Oil Corp.			2,456				2,456		
CULBERTSON—Spruce Oil Co.			1,549				1,549		
CUT BANK—									
Continental Pipeline Co.			10,569	340,735				351,304	
Phillips Petroleum Co.	49,943	188,862			1,599	106,255		63,695	67,256
Texas Pipeline Co.	15,359	54,015		84,808	(1,306)			143,381	12,107
Union Oil Co.	132,640	63,179		3,111	(29)	86,705			112,254
Western Oil Trans. Co.		68,891						68,891	
Western Oil Trans. Co. (Moulton)		103,668						103,668	
	197,942	478,615	10,569	428,654	264	192,960		730,939	191,617
DELPHIA—Truck			411			411			
DWYER—Portal Pipeline Co.		23,440					23,440		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		168,977				168,977			
FAIRVIEW—Fairview Pipeline Co.		11,500					11,500		
Rock Island Oil & Ref. Co.			28,463				28,463		
		11,500	28,463				39,963		
FLAT COULEE—									
Camerland Cardinal Corp.		7,622				7,622			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		61,186					61,186		
FT. GILBERT—									
Western Crude Oil, Inc.			15,361				15,361		
FRANNIE—Interstate Pipeline Co.		3,193					3,193		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	11,991	32,363				26,433			17,921
GAGE—Truck			345			345			
GIRARD—Rock Island Oil & Ref. Co.			4,238				4,238		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	5,269	28,240			648			29,847	3,014
GOOSE LAKE—									
Portal Pipeline Co.		35,338					35,338		
HAY CREEK—									
Fairview Pipeline Co.		9,540					9,540		
HIAWATHA—									
Continental Pipeline Co.		8,483					8,483		
HIBBARD—Truck			211			211			
INJUN CREEK—Permian Corp.			416				416		
IVANHOE—									
Continental Pipeline Co.		6,421				6,421			
JIM COULEE—									
Continental Pipeline Co.			412				412		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		12,676				12,676			
KELLEY—									
Continental Pipeline Co.		4,526				4,526			
KEVIN SUNBURST—									
Big West Oil Co.	15,383	11,500				19,668			7,215
Homestake Oil & Gas Co.	4,690	2,124				3,252			3,562
Texas Pipeline Co.	7,286	8,377			58			8,234	7,371
	27,359	22,001			58	22,920		8,234	18,148
LEARY—Permian Corp.			2,468				2,468		
LITTLE WALL CREEK—									
Continental Pipeline Co.		4,868					4,868		
LODGE GRASS—Permian Corp.			978			978			
MASON LAKE—									
Continental Pipeline Co.		672				672			
MELSTONE—									
Continental Pipeline Co.		1,832				1,832			
OTIS CREEK—									
Western Crude Oil, Inc.			5,110				5,110		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		24,889					24,889		
PONDERA—Phillips Petr. Co.	51,303	24,519			802	50,060			24,960
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH AND VOLT—									
East Poplar Gathering System	14,688	81,110			(168)			80,836	15,130
RAGGED POINT—									
Continental Pipeline Co.		6,399				6,399			
RED CREEK—									
Western Oil Transportation Co.		20,173						20,173	
RESERVE—Portal Pipeline Co.		9,296					9,296		
RUSH MOUNTAIN—									
Sinclair Refining Co.		3,052					3,052		
SALT LAKE—									
Rock Island Oil & Ref. Co.			3,880				3,880		
SIDNEY—Western Crude Oil, Inc.			312					312	
SNYDER—Permian Corp.			707			707			
SOAP CREEK—Permian Corp.			7,066				7,066		
SPRING LAKE—									
Rock Island Oil. & Ref. Co.			3,062				3,062		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	698,198	115,476		1,903,850	(266)	98,757		1,855,315	763,718
TULE CREEK—									
Spruce Oil Corp.	3,540	35,073				37,245			1,368
Permian Corp.			4,102			4,102			
	3,540	35,073	4,102			41,347			1,368
WEED CREEK—									
Continental Pipeline Co.		2,512				2,512			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		12,452				9,300		3,152	
WILLOW CREEK NORTH—									
Continental Pipeline Co.		5,322						5,322	
WOLF SPRINGS—									
Continental Pipeline Co.		4,602				4,602			
WILDCAT WELLS—Truck			41,993				41,993		
TOTALS	1,350,358	2,841,275	200,212	3,026,902	1,520	696,859	1,977,934	3,263,181	1,479,253

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon & Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MAY, 1971

Field	Big West Oil Co	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Spruce Oil Co.	Westco Ref. Co.	Total
Big Wall		8,475								8,475
Bowes			18,583							18,583
Cat Creek		2,300		15,125		7				17,432
Cut Bank	15,500						106,752		116,818	239,070
Delphia						7				7
Elk Basin		63,402		39,231	66,344					168,977
Flat Coulee									7,622	7,622
Fred & George Creek	26,433									26,433
Gage & Gage Southwest						1				1
Hibbard						4				4
Ivanhoe		6,421								6,421
Keg Coulee		7,105		5,033						12,138
Kelley					4,526					4,526
Kevin Sunburst	22,920									22,920
Lodge Grass		978								978
Mason Lake		672								672
Melstone				1,832						1,832
Pondera							31,768			31,768
Ragged Point				6,399						6,399
Snyder		707								707
Sumatra & Stensvad		16,995		33,356	48,406					98,757
Tule Creek								74,823		74,823
Weed Creek					2,512					2,512
Whitlash							18,300			18,300
Wolf Springs					4,602					4,602
Total Montana Oil	64,853	107,055	18,583	100,976	126,390	19	156,820	74,823	124,440	773,959
Canadian Oil Imported		265,719		256,450	48,950					571,119
Wyoming Oil Imported		754,500		385,631	221,206					1,361,337
Total Montana, Canadian, and Wyoming Oil	64,853	1,127,274	18,583	743,057	396,546	19	156,820	74,823	124,440	2,706,415

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1970	24,878	25,744	65,351	115,973
May, 1970	20,065	12,783	52,300	85,148
May, 1971	24,966	18,423	43,914	87,303

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
21.45%	22.20%	56.35%
23.56%	15.01%	61.43%
28.60%	21.10%	50.30%